IOT MINOR PROJECT

Write an arduino program for seven segment display. Simulate in wokwi simulator.(Display numbers from 0 to 9 add delay of 1 second after each number)

PROGRAM CODE :

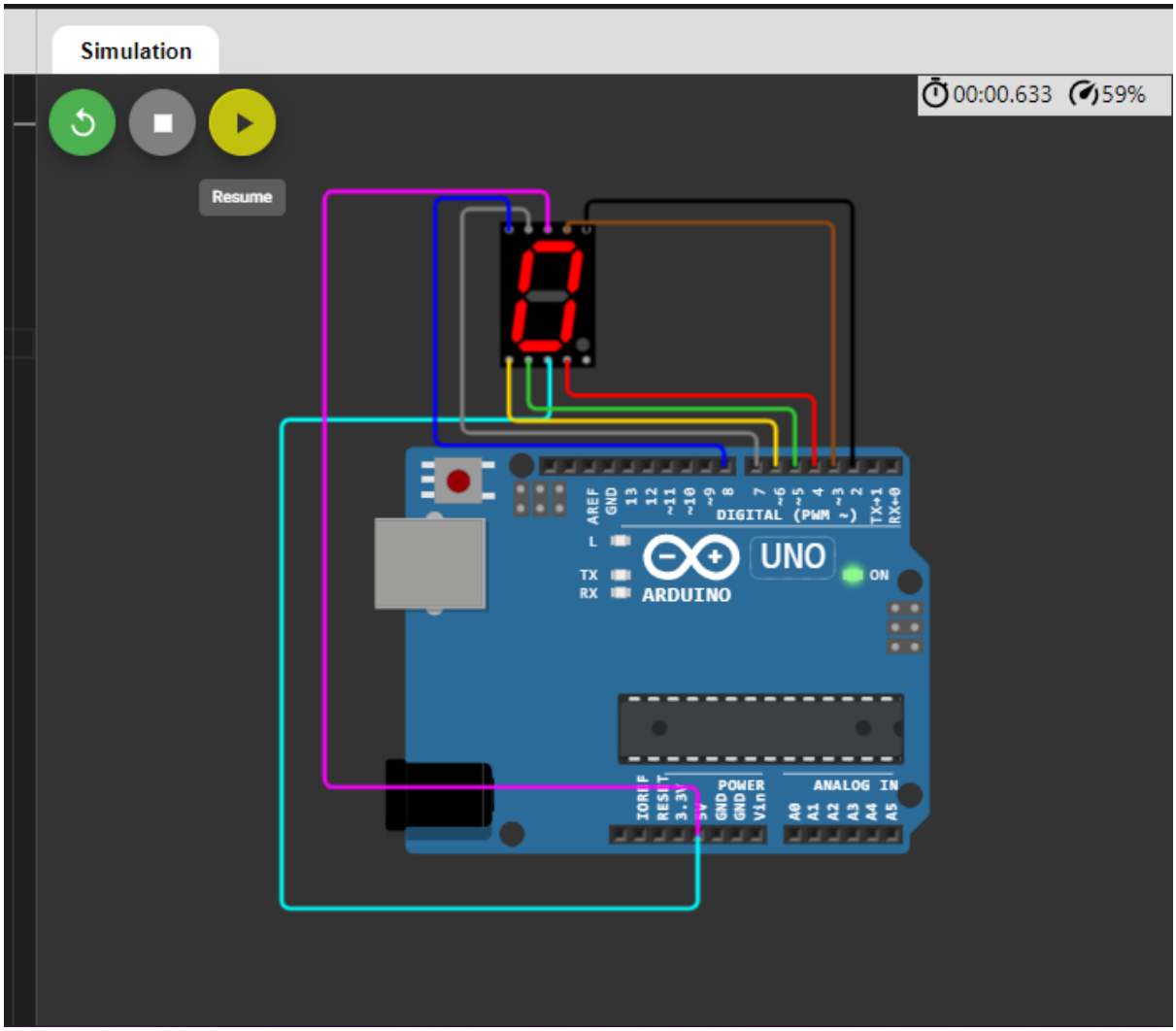
```
// IOT MINOR PROJECT
//Arduino Program for Seven Segment Display
//(Display numbers from 0 to 9 add delay of 1 second after each number)

void setup() {

//Setting the Display Digital Pins as Output
 pinMode(2,OUTPUT);
 pinMode(3,OUTPUT);
 pinMode(4,OUTPUT);
 pinMode(5,OUTPUT);
 pinMode(6,OUTPUT);
 pinMode(7,OUTPUT);
 pinMode(8,OUTPUT);

}

void loop() {

  //Displaying Number 0
  digitalWrite(2,LOW);
  digitalWrite(3,LOW);
  digitalWrite(4,LOW);
  digitalWrite(5,LOW);
  digitalWrite(6,LOW);
  digitalWrite(7,LOW);
  digitalWrite(8,HIGH);
```

```
  delay(1000);

  //Displaying Number 1
  digitalWrite(2,LOW);
  digitalWrite(3,HIGH);
  digitalWrite(4,LOW);
  digitalWrite(5,HIGH);
  digitalWrite(6,HIGH);
  digitalWrite(7,HIGH);
  digitalWrite(8,HIGH);
  delay(1000);

  //Displaying Number 2
  digitalWrite(2,LOW);
  digitalWrite(3,LOW);
  digitalWrite(4,HIGH);
  digitalWrite(5,LOW);
  digitalWrite(6,LOW);
  digitalWrite(7,HIGH);
  digitalWrite(8,LOW);
  delay(1000);

  //Displaying Number 3
  digitalWrite(2,LOW);
  digitalWrite(3,LOW);
  digitalWrite(4,LOW);
  digitalWrite(5,LOW);
  digitalWrite(6,HIGH);
  digitalWrite(7,HIGH);
  digitalWrite(8,LOW);
  delay(1000);

  //Displaying Number 4
  digitalWrite(2,LOW);
  digitalWrite(3,HIGH);
  digitalWrite(4,LOW);
  digitalWrite(5,HIGH);
  digitalWrite(6,HIGH);
  digitalWrite(7,LOW);
  digitalWrite(8,LOW);
  delay(1000);

  //Displaying Number 5
  digitalWrite(2,HIGH);
  digitalWrite(3,LOW);
  digitalWrite(4,LOW);
  digitalWrite(5,LOW);
  digitalWrite(6,HIGH);
```

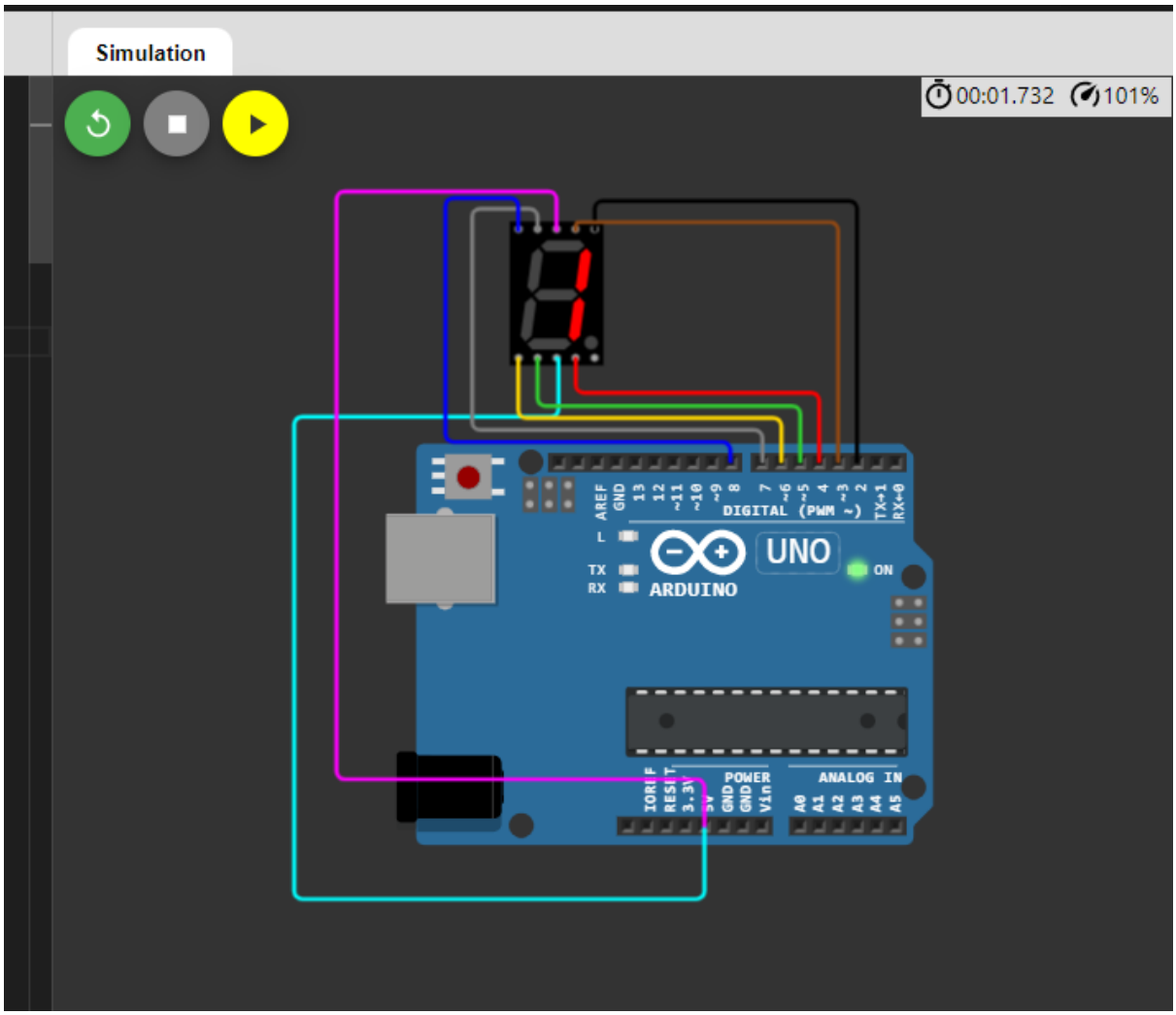
```
  digitalWrite(7,LOW);
  digitalWrite(8,LOW);
  delay(1000);

  //Displaying Number 6
  digitalWrite(2,HIGH);
  digitalWrite(3,LOW);
  digitalWrite(4,LOW);
  digitalWrite(5,LOW);
  digitalWrite(6,LOW);
  digitalWrite(7,LOW);
  digitalWrite(8,LOW);
  delay(1000);

  //Displaying Number 7
  digitalWrite(2,LOW);
  digitalWrite(3,LOW);
  digitalWrite(4,LOW);
  digitalWrite(5,HIGH);
  digitalWrite(6,HIGH);
  digitalWrite(7,HIGH);
  digitalWrite(8,HIGH);
  delay(1000);

  //Displaying Number 8
  digitalWrite(2,LOW);
  digitalWrite(3,LOW);
  digitalWrite(4,LOW);
  digitalWrite(5,LOW);
  digitalWrite(6,LOW);
  digitalWrite(7,LOW);
  digitalWrite(8,LOW);
  delay(1000);

  //Displaying Number 9
  digitalWrite(2,LOW);
  digitalWrite(3,LOW);
  digitalWrite(4,LOW);
  digitalWrite(5,LOW);
  digitalWrite(6,HIGH);
  digitalWrite(7,LOW);
  digitalWrite(8,LOW);
  delay(1000);

}
```

OUTPUT :

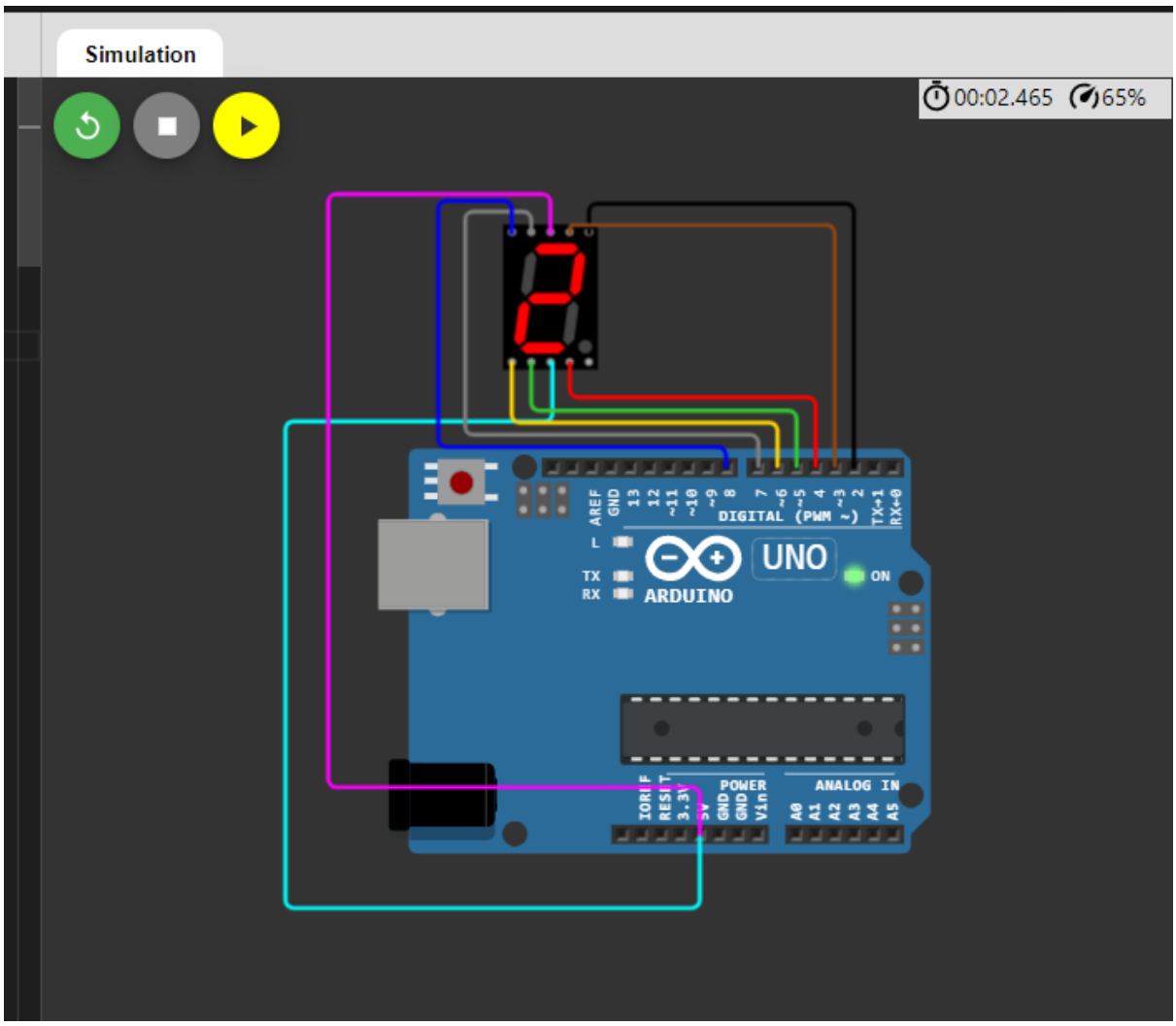
Displaying Number 0



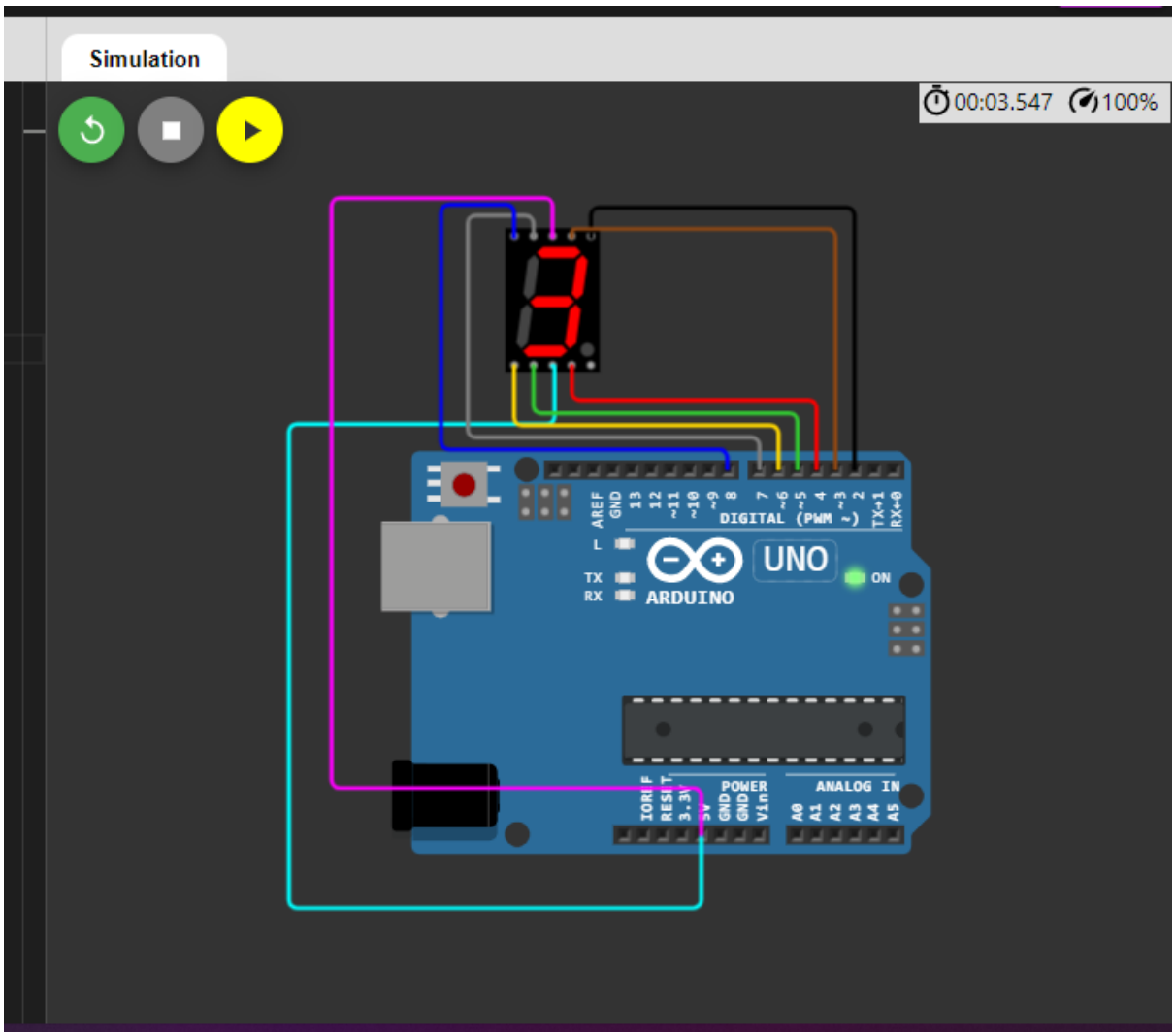
Displaying Number 1



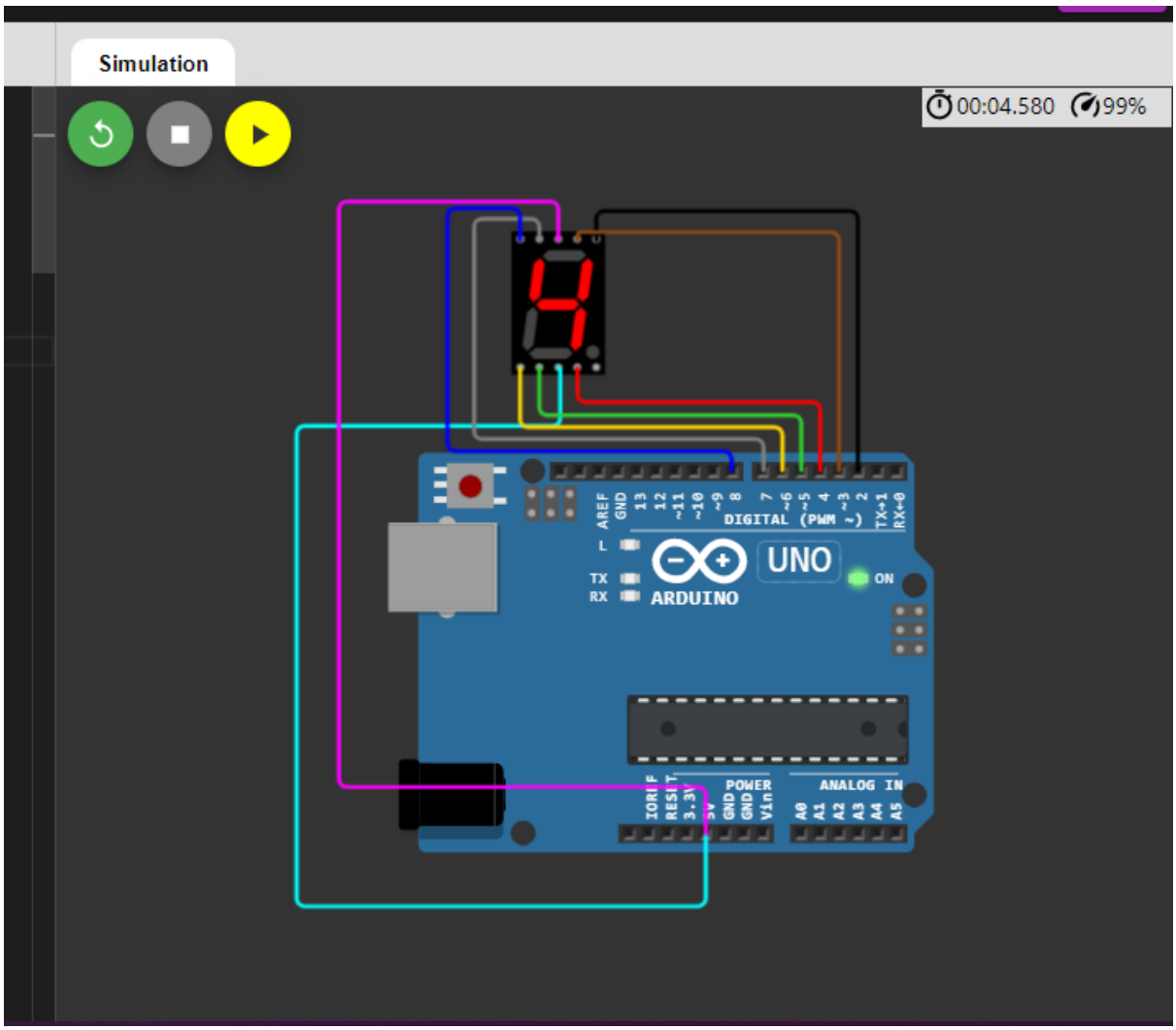
Displaying Number 2



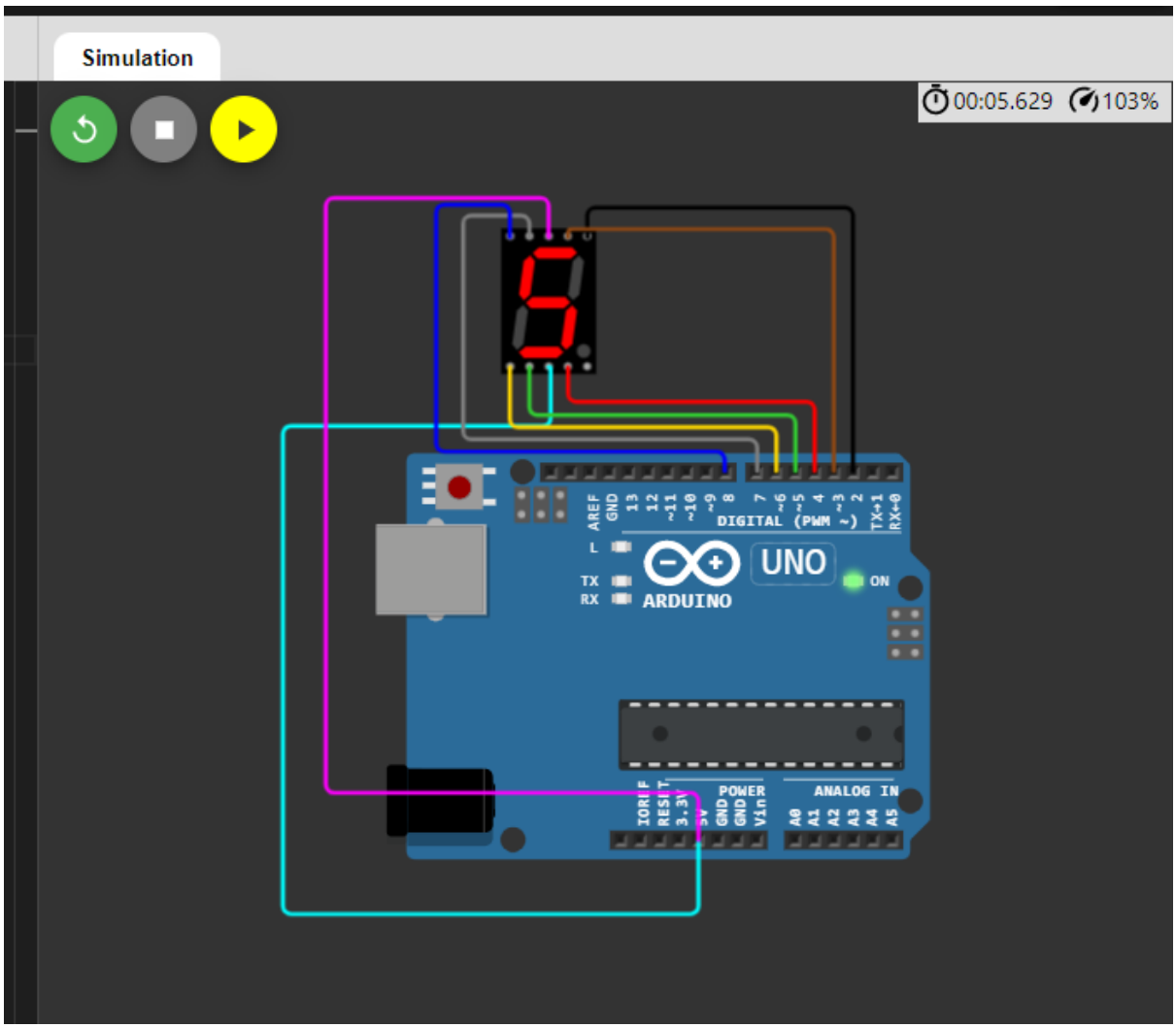
Displaying Number 3



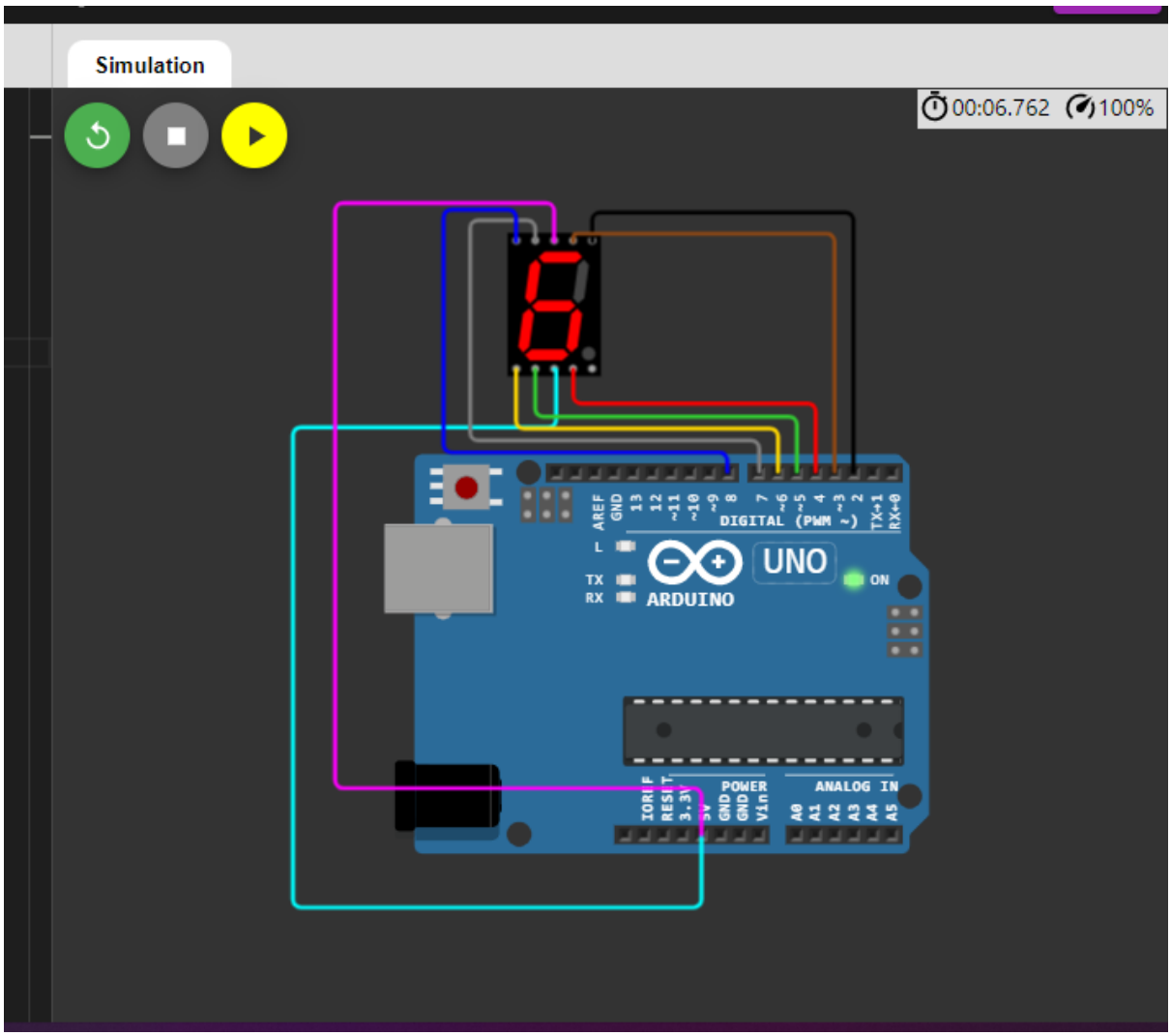
Displaying Number 4



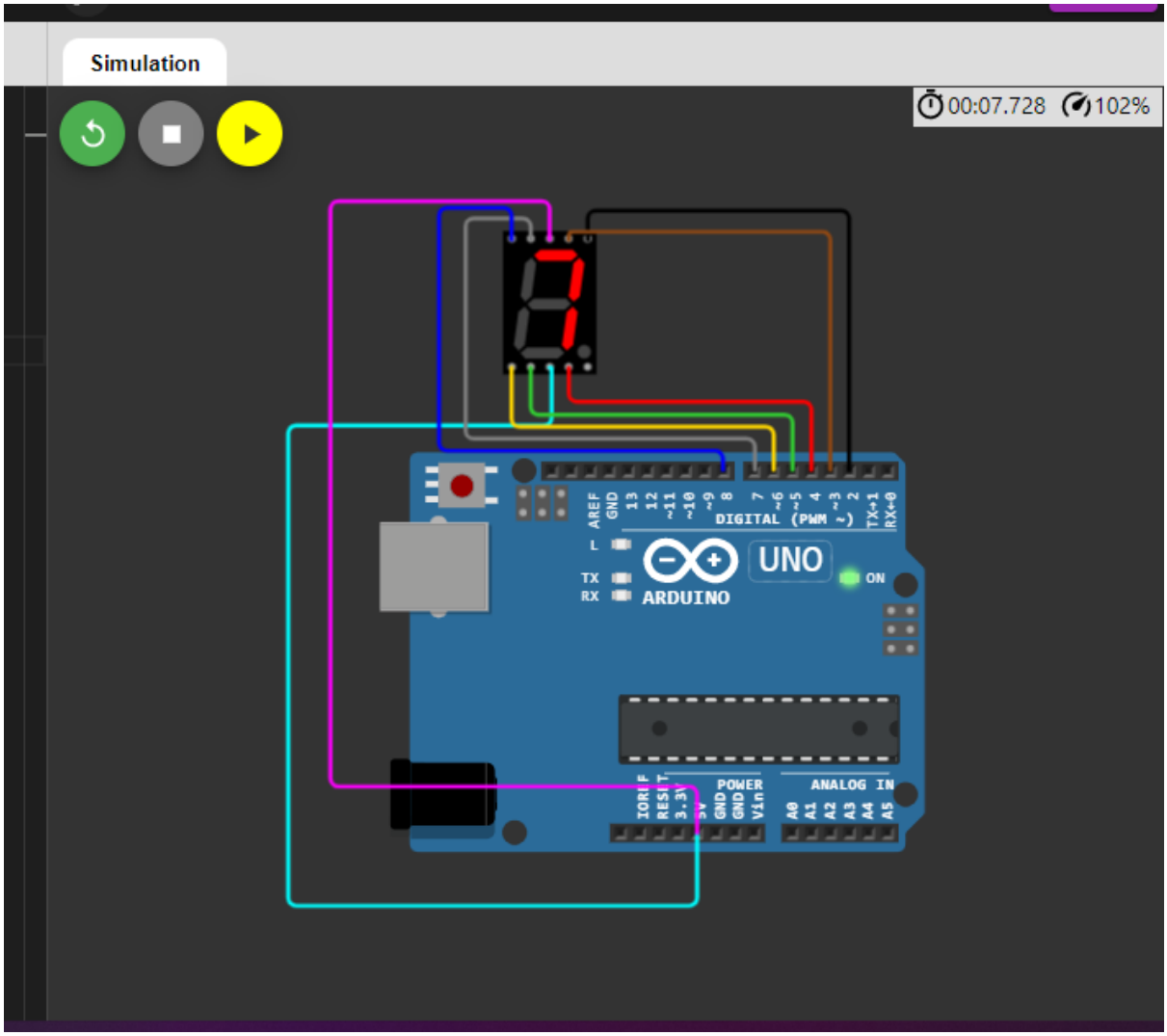
Displaying Number 5



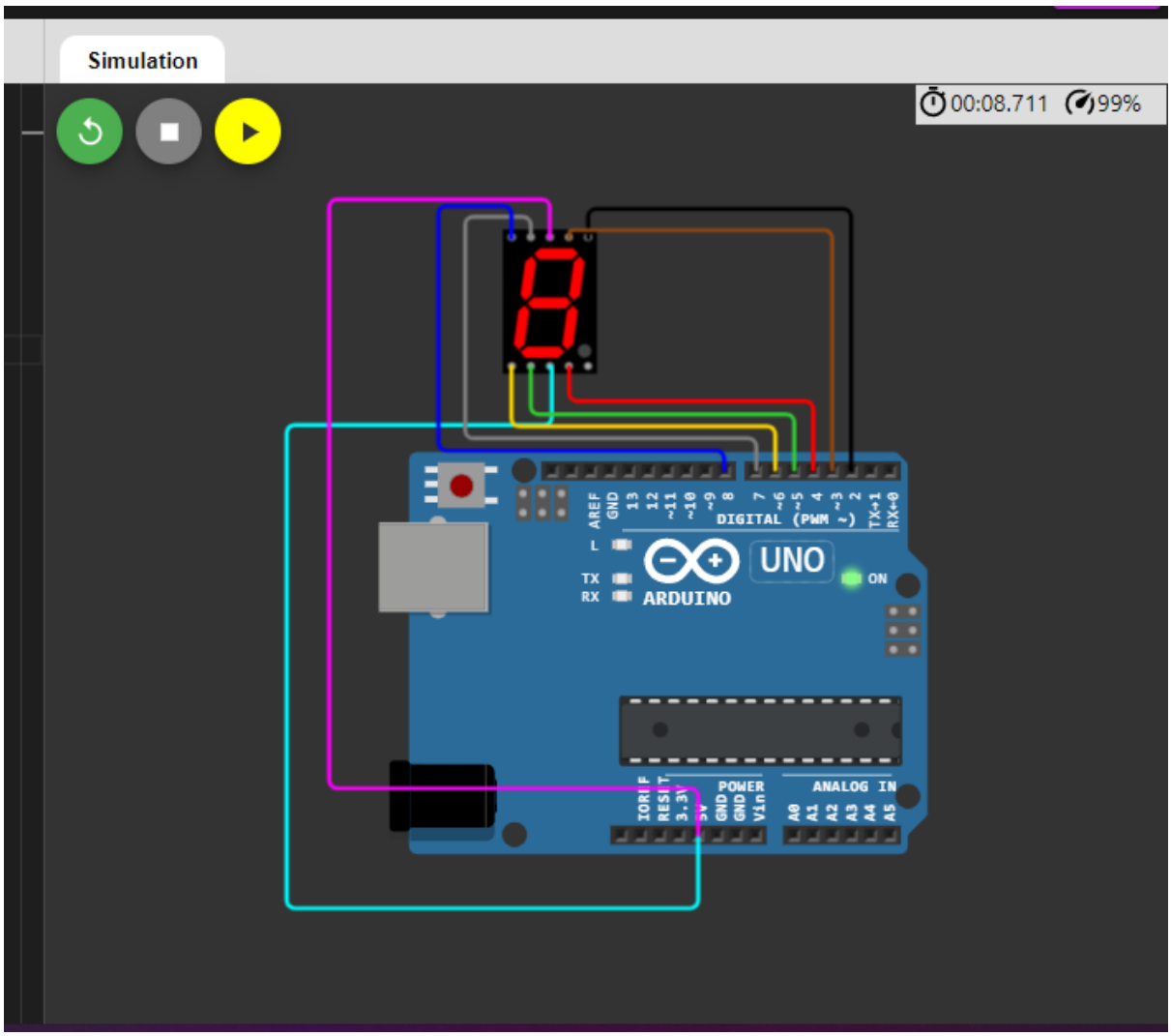
Displaying Number 6



Displaying Number 7



Displaying Number 8



Displaying Number 9